Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

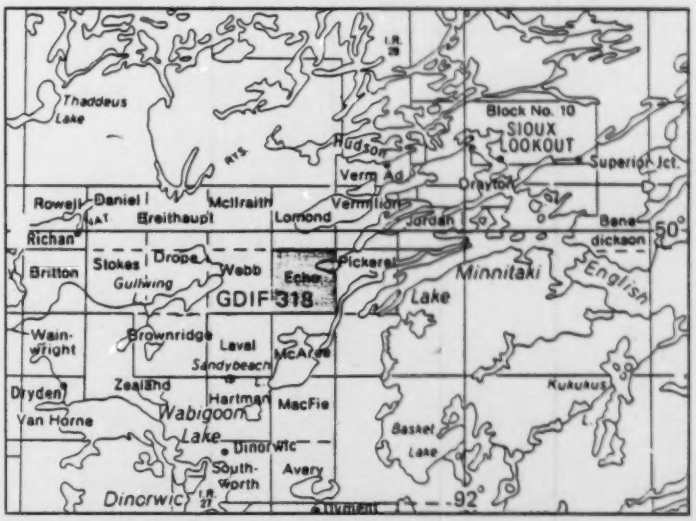
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 318

ECHO TOWNSHIP

DISTRICT OF KENORA

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP Scale 1:1 013 760 or 1 inch to 16 miles

87-00306/

NTS Number 52 F/16 NW

Mining Claim Map Number M-2236

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1986: Echo Township, District of Kenora; Ontario Geological Survey, Geological Data Inventory Folio 318, compiled by the staff of the Resident Geologist's office, Sioux Lookout, 32p. and 3 maps.

Original Compilation by: C. Proctor, A. Gasparetto, R. Huggins, M. Sawtelle

Date	Page Revised	Revised by

Date	Page Revised	Revised by

ECHO TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map - 2

Exploration Data Map - 1

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	O.S.
2	Assessment Files Research Office, Toronto		
3	ODM General Index; 9 Volumes	Yes	O.S.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	O.S.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	O.S.
6	ODM Industrial Mineral Reports	Yes	O.S.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	O.S.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	O.S.
9	Newspaper Clippings File	Yes	O.S.
10	GSC Index to Publications	Yes	O.S.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	O.S.
12	OGS Index Maps	Yes	O.S.
13	Source Mineral Deposit Records (O.G.S.)	No	O.S.
14	Author - Subject Articles File	Yes	O.S.
15	Miscellaneous Papers: ODM & OGS	Yes	O.S.
16	ODM Geological Circulars: OGS Study Series	Yes	O.S.
17	ODM Preliminary Reports: ODM Bulletins	Yes	O.S.
18	ODM – OGS Open File Reports	Yes	O.S.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	O.S.
20	OGS Aggregate Resources Inventory Papers	No	O.S.
21	OGS Mineral Potential Maps	Yes	O.S.
22	Aerial Photographs filed in Sioux Lookout and Kenora	Yes	O.S.

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . .Anhydrite
- Δ ank. . . . . .Ankerite
- Δ anna . . . . . Annabergite
- Δ ap. . . . . .Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . .Arsenic
- Δ asp . . . . . .Arsenopyrite
- Δ asb . . . . . .Asbestos
- Δ ba. . . . . .Barite
- Δ be. . . . . .Beryl
- Δ Bi. . . . . .Bismuth
- Δ bn . . . . . .Bornite
- Δ bran . . . . . .Brannerite
- Δ bruc . . . . . .Brucite
- Δ Cd . . . . . Cadmium
- Δ calc. . . . . Calcite
- Δ carb . . . . . .Carbonate
- Δ cel . . . . . .Celestite
- Δ cc. . . . . .Chalcocite
- Δ cp. . . . . Chalcopyrite
- Δ ch. . . . . .Chert
- Δ clay . . . . . .Clay
- Δ Co . . . . . Cobalt
- Δ cob. . . . . Cobaltite
- Δ cb. . . . . .Columbite
- Δ Cu . . . . . .Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep. . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . .Feldspar
- Δ fl . . . . . .Fluorite (flurospar)
- Δ fu. . . . . .Fuchsite
- Δ gn. . . . . .Galena
- Δ gt. . . . . .Garnet
- Δ goe . . . . . .Goethite
- ▲ Au . . . . . Gold
- Δ gf. . . . . .Graphite
- Δ gl . . . . . Gravel
- Δ gyp. . . . . .Gypsum
- Δ hem . . . . . Hematite
- Δ il . . . . . .Ilmenite
- Δ Fe . . . . . .Iron
- Δ IF. . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . .Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li. . . . . Lithium
- Δ mgst . . . . . .Magnesite
- Δ mag . . . . . .Magnetite
- Δ mc . . . . . .Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . .Marble
- Δ mar. . . . . Marcasite
- Δ ma . . . . . .Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . .Millerite
- ▲ mo . . . . . Molybdenite
- ▲ Mo . . . . . .Molybdenum
- Δ mon . . . . . Monazite
- Δ ne. . . . . Nephelite (nepheline)
- Δ nc. . . . . .Niccolite
- Δ Ni. . . . . Nickel
- Δ Nb . . . . . .Niobium
- Δ Pd . . . . . .Palladium
- Δ peat . . . . . .Peat
- Δ pent . . . . . .Pentlandite
- Δ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . .Pyrolusite
- ▲ po . . . . . .Pyrrhotite
- Δ q . . . . . Quartz
- Δ qcv . . . . .Quartz carbonate vein
- Δ ra. . . . . .Radioactive minerals
- Δ RE . . . . . .Rare Earths
- Δ sd. . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss. . . . . .Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . .Scheelite
- Δ serp . . . . . Serpentine
- Δ sh. . . . . .Shale
- Δ sid . . . . . Siderite
- Δ si . . . . . .Silica
- Δ Ag . . . . . .Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . .Smaltite
- Δ sod . . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp. . . . . .Sphalerite
- Δ spd . . . . . .Spodumene
- Δ staur . . . . . .Staurolite
- Δ stib. . . . . Stibnite
- Δ st . . . . . .Stone
- Δ talc. . . . . .Talc
- Δ Te . . . . . Tellurium
- Δ td. . . . . Tetrahedrite
- Δ th. . . . . .Thorite
- Δ Th . . . . . .Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti. . . . . Titanium
- Δ tour . . . . . .Tourmaline
- Δ trap . . . . . .Trap rock
- Δ W. . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . .Uranium
- Δ verm . . . . . .Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . .Zinc
- Δ zr. . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Woodney Claims	py	K0392	MRC #5, p.40	Resident Geologist File 59A1
B	Pidgeon Molybdenum Mines Ltd	Mo,Cu, Bi Fe, fl	K0310	MRC #7 p.38	GSC - EGR 3 20, p.73-78 Resident Geologist File 22
C	Denison Mines Limited	Mo, Cu	K0393	MRC #7, p.39	Resident Geologist File 20
D	Decoursey-Brewis Minerals	Mo, Cu	K0312	MRC #7, p.39	Resident Geologist File 10
E	Mosher Long Lac Mines (Franciscan Lake Occurrence and Lunecho Prospect)	Au, fe	K0390	MRC #11, p.188 MRC #13, p.139 MDC #16, p.26	Resident Geologist File 18
F	Conecho Prospect	Au	K0316	MRC #13, p.139	
G	Newland Prospect	Au, Zn, Cu, w	K0311	MRC #13, p.140 MDC #16, p.29	
H	Villbona Prospect	Au	K0309	MRC #13, p.141 MDC #16, p.41	
I	Windward Prospect	Au	K0391	MRC #13, p.141 MDC #16, p.43	
J	Selco Occurence	py,po,sp			ODM Map 2115, Map M-2236 Resident Geologist File 13C1
K	East-Lun Gold Mines Ltd.	Au			Resident Geologist File 11A1 11B1
L	Omega Gold Mines Limited	Cu			Resident Geologist File 32A1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
M	Wilkinson, Don	Au,po,py			Resident Geologist File 17A1

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
F	NORTH DENISON MINES LTD (52F/16NW-0010)				50															
G	EAST LUN GOLD MINES LTD (CONWEST OPTION) (52F/16NW-0011-A1)				50															
H	EAST LUN GOLD MINES LTD (CONWEST OPTION) (52F/16NW-0011-B1)				50															
I	DENISON MINES LIMITED (52F/16NW-0011C1)				63															
J	PIDGEON MOLYBDENUM RIO TINTO CDN EXPL C (52F/16NW-0012-A1)				66															
K	DENISON MINES LTD (LATERAL MOLYBDENUM PROP) (52F/16NW-0012-C1)				63															
L	CANADIAN NICKEL C L (52F/16NW-0013-A1)				70															
M	CANADIAN NICKEL CL (52F/16NW-0013-B1)				70															

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																			
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	BOREHOLE		
	COMPANY/AUTHOR (file number)																				
N	SELCO MINING CORP L (52F/16NW-0013-C1)				76																
O	GOLDLUND MINES LIMITED (52F/16NW-0013-D1)				73																
P	PIDGEON MOLYBDENUM RIO TINTO CDN EXPL L (52F/16NW-0014)				80																
Q	RIO TINTO CDN EXPL L (GULLWING CLAIMS) (52F/16NW-0015-A1)				79																
R	RIO TINTO CDN EXPL C L PIDGEON MOLYBDENUM (52F/16NW-0015-B1)				81																
S	GOLDLUND MINES LTD (TAILINGS DAM PROJECT) (52F/16NW-0016-A1)																	80			
T	NORTH DENISON MINES LTD (52F/16NW-0016-B1)				50	50															
U	GOLDLUND MINES LTD (52F/16NW-0016-D1)				81																

TYPE OF WORK	Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	BOREHOLE		
N SELCO MINING CORP L (52F/16NW-0013-C1)				76															
O GOLDLUND MINES LIMITED (52F/16NW-0013-D1)				73															
P PIDGEON MOLYBDENUM RIO TINTO CDN EXPL L (52F/16NW-0014)				80															
Q RIO TINTO CDN EXPL L (GULLWING CLAIMS) (52F/16NW-0015-A1)				79															
R RIO TINTO CDN EXPL C L PIDGEON MOLYBDENUM (52F/16NW-0015-B1)				81													80		
S GOLDLUND MINES LTD (TAILINGS DAM PROJECT) (52F/16NW-0016-A1)																			
T NORTH DENISON MINES LTD (52F/16NW-0016-B1)				50	50														
U GOLDLUND MINES LTD (52F/16NW-0016-D1)				81															

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																				
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	BOREHOLE			
	COMPANY/AUTHOR (file number)																					
V	WILKINSON, D (52F/16NW-0017-A1)				82	82																
W	TARBUSH LODE MINING LTD (52F/16NW-0017-B1)				83																	
AK	GOLDLUND MINES LTD (52F/16NW-0020-E1)																	80				
AL	GOLDLUND MINES LTD (52F/16NW-0021-A1)				83																	
AN	GOLDLUND MINES LTD (52F/16NW-0022-A1)				79																	
AP	CONECHO MINES LTD (52F/16NW-0023-A1)				50																	
AR	DECOURSEY BREWIS (52F/16NW-0024-A1)				50																	
AS	ASARCO EXPL C OF CAN (DRYDEN PROJECT) (52F/16NW-0024-C1)				70																	
AT	GOLDLUND MINES LTD (52F/16NW-0025-A1)				80																	

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
AU	LANTZ, A.O. (52F/16NW-0025-C1)				56															
AV	GOLDLUND MINES LTD (52F/16NW-0026-A1)				79															
AX	CONECHO MINES LTD (52F/16NW-0027-A1)				50	50														
AY	LUNWARD GOLD MINES LTD (CLAIM MAPS ONLY) (52F/16NW-0027-C1)			45	45															
BA	GLEN ECHO MINES LTD (52F/16NW-0028-B1)				51															
BB	VILLBONA GOLD MINES LTD (52F/16NW-0028-D1)				50															
BC	WILKINSON, D. (52F/16NW-0029-A1)			84				84												
BD	CONECHO MINES LTD (52F/16NW-0029-B1)				50															
BK	OMEGA MINES LIMITED (52F/16NW-0032-A1)				50															

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TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	COMPANY/AUTHOR (file number)																			
BM	BRIDE ECHO MINES CONECHO MINES LTD (52F/16NW-0033-A1)				50															
BN	GLENECHO MINES LTD (MAPS ONLY) (52F/16NW-0033-B1)	51			51															
BO	GOLDLUND MINES LTD (52F/16NW-0034-A1)			83		83														
BP	SELCO MINING CORP L GOLDLUND MINES L (MINNITAKI AREA) (52F/16NW-0034-B1)											77	77							
BQ	SULPETRO MINERALS L ST. JOSEPH EXPL L (HOOCH LAKE CLAIMS PROJECT 3352) (52F/16NW-0034-C1)											81	81							
BR	KURYLIW, R.E. (52F/16NW-0035)	72										72								
BS	PIDGEON MOLYBDENUM RIO TINTO CDN EXPL L (52F/16NW-0036-A1)											65								

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																			
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	BOREHOLE		
COMPANY/AUTHOR (file number)																					
BV	EAST LUN GOLD MINES L (52F/16NW-0037-B1)	50										80	80								
BY	NORANDA EXPL C L (WILKINSON OPTION 609) (52F/16NW-0038-B1)																				
BZ	MOSHER LONG LAC G MINES (52F/16NW-0039A1)	47										50									
CA	FREDERICK MINING AND DEV L (52F/16NW-0039-B1)											77									
CB	GOLDLUND MINES LIMITED (52F/16NW-0040-A1)											47									
CD	MOSHER LONG LAC GOLD MINES (52F/16W-0041-A1)																	80			
CE	GOLDLUND MINES LIMITED (SOIL SAMPLING?TAILINGS DAM PROJECT) (52F/16NW-0041-B1)														80						
CF	NORANDA EXPL C L WILKINSON, D (52F16/NW-0042-B1)	80	80																		

ECHO TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
CG	SELCO MINING CORP L (MINNITAKI AREA/BLOCK 270-3) (52F/16NW-0043)											76	76							
CH	RONAYNE EXPL. L GEOSURVEYS L (52F/16NW-0044-A1)											47								
CJ	EAST LUN GOLD MINES L (52F/16NW-0045-A1)											46								
CK	TARBUSH LODE MINING L (CROSSECHO PROPS) (52F/16NW-0045-B1)											80								
CN	GOLDLUND MINES L (52F/16NW-0048)											81	81							
CO	TARBUSH LODE MINING L (CROSSECHO PROPS) (52F/16NW-0049)	81																		
CP	TARBUSH LODE MINING L (MILES LAKE PROPS) (52F/16NW-0050)	81																		

TYPE OF WORK		Numbers below represent the year in which the work was done; eg. 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
CQ	TARBUSH LODE MINING L (PROP TB-7MASKINONGE LAKE) (52F/16NW-0051)											82								
CS	WINDFALL OILS AND MINES L (52F/16NW-0053)											70								
CZ	TARBUSH LODE MINING L (52F/16NW-0058)											81								
DA	WOODNEY, W (MAPS ONLY) (52F/16NW-0059-A1)	17		17		17														
DF	MCCOMBE MINING AND EXPL L (52F/16NW-0063)							53												
DG	PIDGEON MOLYBDENUM (52F/16NW-0064)	53			53			53												
DH	WINDFALL OILS AND MINES L (52F/16NW-0065)				80	80														
DL	GOLDLUND MINES LTD (52F/16NW-0069)			83																

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
			complete	degrees	degrees	feet	feet		
1	East Lun Gold mines Ltd	E4	1950						
2		E5	1950	N30W	-60		175		
3		E6	1950	N30W	-60		125		
4		E7	1950	N30W	-60		350		
5		E8	1950	S30E	-55		55		
6		E9	1950	S30E	-55		70		
7		E3	1950						
8	North Denison Mines Ltd	2	1950	S30E	-45	5	949	py	
9		3	1950	S30E	-45	4	836	py,po,cp	Au
10		4	1950	S30E	-45	5	894	py	Au
11	Denison Mines Ltd	1	1963	328	-45	38	476	py,po,cp	Au,mo,Bi
		3	1963	345	-45	42	346	py,po,cp,mo	
		4	1963	345	-45	38	433	py,po,cp	
12		6	1963	345	-45	127	332	py,mo	
13		9	1963	318	-35	19	202	py,mo	
		10	1963	180	-45	41	317	py,po	
		11	1963	310	-35	45	298	py,mo	
14		12	1963	320	-35	13	410	py	

GDIT FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
15	Pidgeon Molybdenum	49	1966	340	-80	3	1320	py,po,cp	
16	Canadian Nickel Co. Ltd	42750-0	1970	180	-50	60	195	py,po,cp	
17		42742-0	1970	360	-50	41	497	py,po	
18	Selco Inc.	270-3-1	1976	north	-50	46	410	py,po	
19	Goldlund Mines Ltd	735-1	1973	N10W	-75	10	167		
		735-2	1973	N10W	-55	10	158		
		735-3	1973	N29W	-55	12	36		
20	Rio Tinto Canadian Expl.	62	1980	340	-45	132	187	py,mo	
21		63	1980	340	-45	74	397	py,po,mag	
22		64	1980	340	-45	46	111	py,mag	
23		65	1980	340	-45	30	376	py,po,cp	
24		66	1980	360	-45	60	373	py,cp,mo	
25		67	1980	360	-50	89	249	py,cp,mo	
		67A	1980	360	-55	82	381	py,mo,mag	
26		68	1980	360	-50	108	387	py,po,cp,mo	
27		69	1980	180	-45	37	447	py,po,cp	
28		70	1980	180	-45	70	357	py,po,cp,mag	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
29		71	1980	180	-45	6	387	py,po,cp,mo,mag	
30		72	1980	180	-45	20	467	py,mo,mag	
31		74	1980	160	-45	20	437	py,mo,mag	
32		79-G14	1979	180	-55	8.5	337	po	Au,Ag,Mo, Zn,Pb,Cu
33	Wilkinson, D.	1	1982	18	-42	30	500	py,po,gt	
34	Rio Tinto Canadian Expl.	75	1981	340	-45	52	342	py	
35		76	1981	340	-45	80	427	py,po,cp	
36	Goldlund Mines Ltd	81-1	1981	S45E	-45	30	266		
37		81-2	1981	N70E	-45	57	398		
38	Tarbush Lode Mining Co	83-1	1983		-50	79	492	py	
39		83-2	1983		-45	62	506	py	
40		83-3	1983		-90	63	302	py,po	
41	Goldlund Mines Ltd	83-3	1983	north	-45	20	125	py	
		83-3	1983	north	-45	10	111	py	
		83-4	1983	north	-45	4.5	145		
		83-5	1983	north	-45	12	159		
42		79-2	1979	S45E	-50	61	137	py	
43	Conecho Mines Limited	3	1950	N21-30'W	-45	44	834		

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
44		1	1950	N23-30'W	-45	111	792	py	
45		5	1950	S45W	-45	108	805	py,po,sp,Au	
46		2	1950	S23E	-45	43	870	py,Au	
47		4	1950	S23E	-45		439	Au	
48		6	1950	S45E	-45		432	Au	
49		7	1950	N45E	-45		799	Au	
50	Decoursey-Brewis Mines	1	1958	N12E	-45	150	450	py,cp	
51		2	1958	N12E	-45	124	394		
52		3	1958	N12E	-45	182	283	py,cp	
53		4	1958	N12E	-45	130	508	py,mo	
54		5	1958	N12E	-45	50	372	py,mo	
55	Asarco Expl. Co. Canada	74	1970		-50	65	283	py,po	Pb,Cu,Zn,Ni
56	Goldlund Mines Ltd	80-20	1980	S45E	-45	54	137	py	
		80-21	1980	S45E	-80	43	150	py	
57		80-22	1980	S45E	-45	28	330	py,Au	
58	Lantz,A.O.	1	1956	south	-45		129		
59		2	1956	south	-45	12	130		
60	Goldlund Mines Ltd	76-10	1976	340	-45	40	247	py	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
		76-11	1976	340	-45	25	319	py,po,sp,zn	Au,Ag
61		78-2	1979	N20W	-45	21	164		
62		79-3	1979	N20W	-45	48	491	py,po,cp,Au	
63		79-4	1979	N20W	-45	45	367	py	
64	Lunward Echo Mines Ltd	1	1945		-45	NO DRILL LOGS AVAILABLE			
		2	1945		-45				
		3	1945		-45				
		4	1945		-55				
		5	1945		-45				
65		7	1945		-45				
		8	1945						
		9	1945						
		10	1945						
		11	1945						
		12	1945						
		13	1945						
		14	1945		-45				
66	Glenecho Mines Ltd	1	1951	340	-50	203	996	py,po	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
		2	1951	340	-50	194	993	py,po	
		3	1951	160	-50	174	616		
67	Conecho Mines Ltd	8	1950	S45E	-45		696	Au	
68		9	1950	S45E	-45		705		
69		10	1950	S45E	-45	64	552		
70		11	1950	S45E	-45	107	600		
71		12	1950	S45E	-45	80	501		
72	Bride Echo Mines Ltd	B-2	1950	south		12	130		
73	Pidgeon Molybdenum	1	1954	S60E			125	py	
74		2	1954	S60E		15	225		
75	Windfall Oils and Mines	80-1	1980	S3W	-67	41	1460	py,po,mag	Au
		80-2	1980	S3W	-62	43	988	py,mag	Au
		80-41	1980	S25W	-41	43	882	py	Au
76		80-33	1980	S68E	-57	24	74	py,mag	Au
		80-17	1980	N75E	-60	21	161		Au
		80-21	1980	S77E	-60	33	395	py,po,mag	Au
		80-22	1980	N84E	-61	27	292		Au
		80-23	1980	S83E	-61	35	465	py,po	Au

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled complete	Bearing Azimuth degrees	Initial Dip of Hole degrees	Thickness of Overburden feet	Total Length of Hole feet	Mineralization Noted in Log	Assay Data Included for
		80-31	1980	N84E	-59	22	700	py,po,mag,Au	Au
		80-32	1980	S75E	-60	36	458		Au
		80-33A	1980	S63E	-62	23	488	py,cp,mag,Au	Au
		80-34	1980	S69E	-64	23	448	py,Au	Au
		80-35	1980	S69E	-60	19	428	py,Au	Au
		80-36	1980	S67E	-66	20	577	py,Au	Au
		80-37	1980	S60E	-58	24	488	py,Au	Au
		80-38	1980	S59E	-63	31	298	py,Au	Au
		80-39	1980	S64E	-60	22	519	py,Au	Au
		80-40	1980	S62E	-60	34	298	py,cp,Au	Au
		80-42	1980	S71E	-62	38	248	py,po	Au
		80-43	1980	S70E	-60	28	458	py,Au	Au
		80-44	1980	S70E	-60	30	503	py.Au	Au
77		80-3	1980	N74E	-59	23	271	py,po,Au	Au
		80-4	1980	N80E	-62	12	284	py	Au
		80-5	1980	N80E	-60	23	209	py	Au
		80-6	1980	N79E	-58	15	502	py,po,Au	Au
		80-7	1980	N82E	-59	13	486	py,po,Au	Au

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
			complete	degrees	degrees	feet	feet		
		80-8	1980	N79E	-64	20	418	py,po,mag,Au	Au
		80-9	1980	N79E	-59	19	474	py,Au	Au
		80-10	1980	N80E	-60	18	91	mag	
		80-11	1980	N80E	-60	17	380	py,hem,Au	Au
		80-12	1980	N82E	-62	20	343	py,Au	Au
		80-13	1980	N81E	-60	20	622	py,po,mag,Au	Au
		80-14	1980	N81E	-61	27	646	py,po,mag,Au	Au
		80-15	1980	N84E	-61	23	357	py,po,Au	Au
		80-15A	1980	N79E	-50		463	py	Au
		80-16	1980	N80E	-60	12	75	mag	
		80-18	1980	N81E	-60	22	140	py,hem,Au	Au
		80-19	1980	N76E	-59	235	580	py,po,Au	Au
		80-20	1980	N83E	-61	20	343	py	Au
		80-24	1980	S84E	-60	37	684	py,po	Au
		80-25	1980	S75E	-60	20	554	py,po	Au
		80-26	1980	N81E	-60	24	395	py,po,Au	Au
		80-27	1980	N79E	-59	24	384	py,po,Au	Au
		80-28	1980	N80E	-59	25	448	py,Au	Au

ECHO TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
			completed	degrees	degrees	feet	feet		
		80-29	1980	N82E	-59	20	562	py,po,Au	Au
		80-30	1980	N82E	-59	29	464	py,po,gn,Au	Au
78	Selco Expl. Co.Ltd	270-3-1	1976	24E	-50	46	410	py,po,sp	
79	McCombe Mining and Expl.	1	1950	320	-45	103	360		

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	Pennarroya Canada Limited 52F/16NW-52	Magnetic, electromagnetic	150'	N25°W	1/8 mile

Echo Township

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
CF	Soil	Cu, Zn, Ag	Noranda Geochemistry Laboratory	Resident Geologist's Office File Number 52 F/16 NW (53) 52 F/16 NW-0042

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. SIOUX LOOKOUT

GOLDLUND MINES	P. 1-43, 46-53, 56-60, 61-68, 70, 72-86, 88, 91-97, 101-103, 105-106, 109, 114, 118, 120
CAMRECO	P. 31-33, 36, 51, 55-57
WINDFALL	P. 1-13, 15-22
RIO-ALGOM-DICKENSON	p. 10-12, 17
SELCO	p. 24, 28
CAMPBELL RESOURCES	p. 38-44, 46-47, 63-64
RAYROCK	p. 1-9

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
	Geology of Echo Twp.	LIX	V	1-38
	Newlund Mines Limited (1951)	LX	II	56-57
	Windward Gold Mines Ltd. (1951)	LX	II	77
	Windward Gold Mines Ltd. (1952)	LXI	II	78
	Newlund Mines Limited (1953)	LXII	II	60-61
	Windward Gold Mines Ltd. (1953)	LXII	II	84
	Conecho Mines Limited (1953)	LXII	II	19
	Geology of the Sioux Lookout Area	XLI	VI	33

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Armstrong, H. S.	1948	Preliminary Report on Echo Township, District of Kenora, ODM, PR.1948-10, Dec. 1948.		
Armstrong, H. S.	1950	Geology of Echo Township, ODM Vol. XLIX, pt. 5, p.1-38, accompanied by Map 1950-1.		1" to 1000'
G.S.C. Department of Mines	1961	Aeromagnetic Map Sandy Beach Lake, Kenora District	Map 1146G	1:63,360
Hurst, M. E.	1932	Geology of the Sioux Lookout Area, Vol. XLI, pt. 6, p.33. ODM Annual Report, accompanied by Map No. 41h.		1:95,040
Kustra, C. R.	1980	Annual Report of the Regional and Resident Geologists, 1979.	MP91	p.23-37
Kustra, C. R.	1981	Annual Report of the Regional and Resident Geologists, 1980.	MP95	p.30-42
Kustra, C. R.	1983	Report of Activities, Regional and Resident Geologists, 1982.	MP107	p.31-45
Kustra, C. R.	1985	Report of Activities, 1984, Regional and Resident Geologists.	MP122	p.44-55
Mohide, Thomas P.	1981	Gold	M.P.B.P. No. 12	p.60
Neilson, J. N. Bray, R. C. E.	1981	Feasibility of Small Scale Gold Mining in Northwestern Ontario (Parts of the District of Kenora, Rainy River, and S. W. Thunder Bay), O.G.S., O.F.R. 5332, Vol. 1, p.132; Vol. 2, p.112.		

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
O.G.S.	1967	Map 2115, Kenora-Fort Frances Sheet		1" to 4 mile
O.G.S.-G.S.C.	1977	Contour: Airborne Gamma-Ray Spectrometry Survey, Dryden Sheet, Districts of Kenora-Rainy River; O.G.S. Preliminary Map P.1460, Geophysical Series, Survey and Compilation 1976 (Profile Sheet also, P. 1494).		1:250,000 1" to 4 mile
O.G.S.	1981	Sioux Lookout Area Airborne Electromagnetic Survey Total Intensity Magnetic Survey	Map 80553	1:20,000
O.G.S.	1981	Sioux Lookout Area Airborne Electromagnetic Survey	Map 80571	1:31,680
Page, R. O. (O.G.S.)	1984	Geology of the Lateral Lake Area, District of Kenora, Ontario Geological Survey Open File Report 5518, 175p., 8 tables, 12 photos, 12 figures and 4 maps in back pockets.		
Page, R. O. (O.G.S.) Christie, B. J.	1980	Lateral Lake Area (East Half), District of Kenora, Ontario Geological Survey, Preliminary Map P.2372, Geological Series, Geology 1979.		1:15,840 1" to ¼ mile
Riley, R. A. King, H. L. Kustra, C. R.	1973	Summary of Airborne Geophysical Data for Northwest Ontario on file at the Resident Geological Offices at Kenora, Red Lake and Thunder Bay, Ontario Division of Mines, Preliminary Map P.845, Data Series, Data compiled 1970, 1971, 9172.		1:250,000 1" to 4 mile

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Ringrose, Susan McGillvray, P.	1981	Open File Report 5362 Aggregate Resources of the Sioux Lookout Area, Kenora District		
Robertson, James A. Vos, M. A. Springer, Janet S.	1976	Mineral Potential Map of Ontario 1976: West Central Sheet, Ontario Division of Mines, Preliminary Map 1098, Mineral Deposit Series, compilation 1972, 1973, 1975.		1:1,013,760 1" to 16 mi.
Roed, M. A. (O.G.S.)	1980	Data Base Map, Wabigoon Lake	NOEGTS Map 5059 Study 22	1:100,000
Speed, A. A. Maxwell, G. J.	1980	Echo Township, District of Kenora, O.G.S. Preliminary Map P.2332, Sioux Lookout Data Series, Data compiled 1979.		1:15,840 1" to ½ mile
Springer, Janet S.	1978	Ontario Mineral Potential, Dryden Sheet, Districts of Kenora and Rainy River, Ontario Geological Survey Preliminary Map P.1537, Mineral Deposit Series, compilation 1977, 1978.		1:250,000 1" to 4 mi.
Webb, J. K.	1948	Geology of the Lunward Gold Mines, Echo Township, District of Kenora, Ontario. Unpublished Thesis for M.A., University of Toronto.		
Morris, M.G. (O.G.S.) Wilson, H.B.D.	1980	Volcanic Stratigraphy of the Kenora-Dryden Area, Ontario. Open File/Dossier Public 695.		

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Chisholm, E.O.	1951	Recent Activities in the Sioux Lookout Area Kenora District, Ontario. O.D.M. Preliminary Report 1951-1.		

GDIF FORM NO. 9

NOTES AND ADDENDA

Aerial Photograph Index

Scale: 1"=1/4 mile

Year	Line	Numbers
1975	4937	79-87
1975	4938	6-13
1975	4939	193-201
1975	4940	120-127
	1134	24-33
	1134	57-67
	1134	91-103
	1135	24-35
	1135	61-73
	1135	97-110

Scale: 1"=2 miles

	A21169	130-133

GDIF FORM NO.8

LOMOND

49°58'00"

92°17'00"

L

K

DG

BS

BQ

J

Hooch L.

Q

P

Lateral L.

R

AU

P

AR

Maskinonge L.

DA

AS

WEBB

Kathlyn L.

G

CP

CZ

PICKEREL

DF

H

BB

U

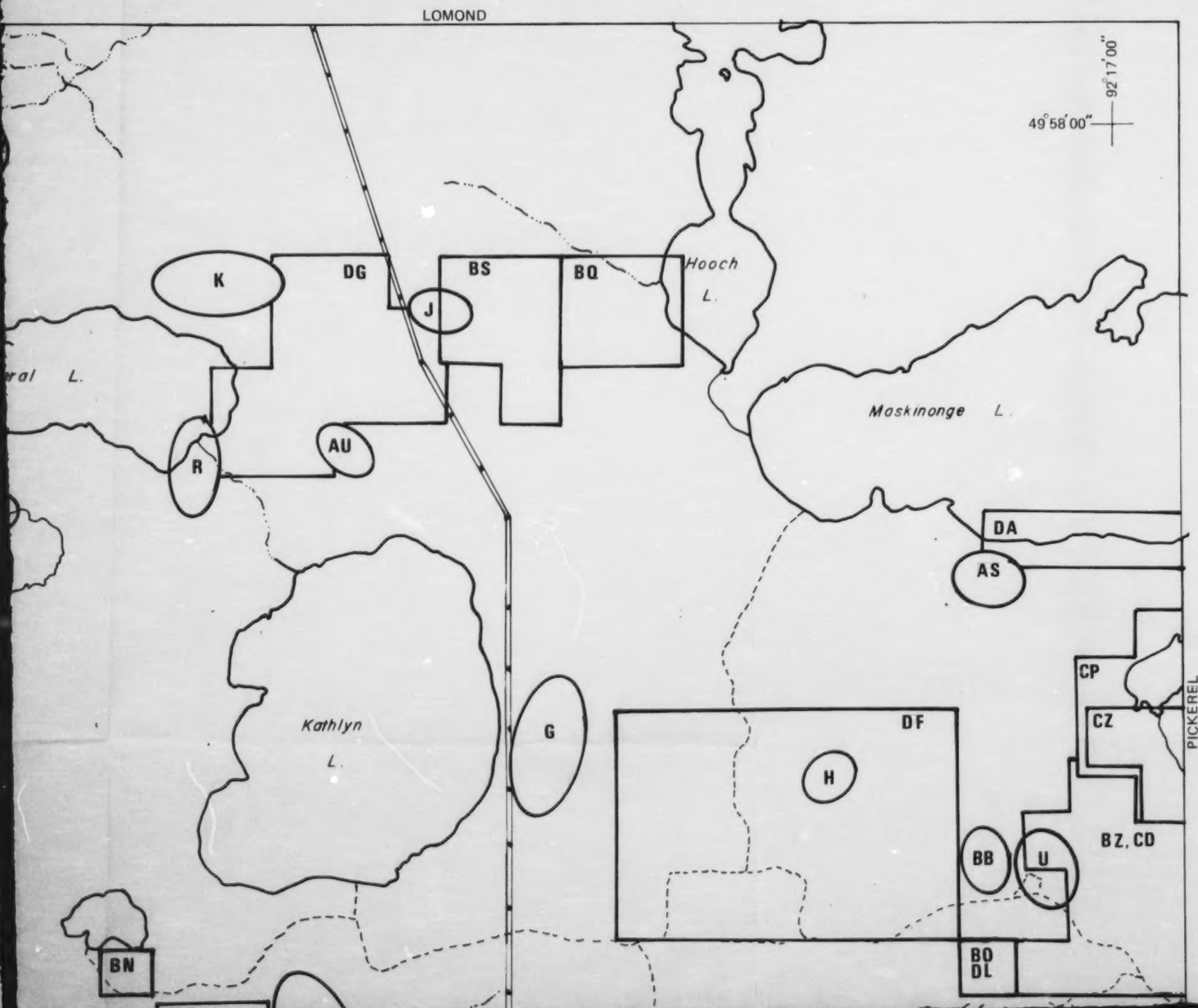
BZ, CD

BO

DL

BN

AY



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 318

(Map 1 of 3)

ECHO TOWNSHIP

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

WEBB

PICKEREL

Maskinonge L.

Kathlyn L.

Crossecho L.

Farciscan L.

McAREE

49°54'00"

92°24'00"

72

R

AU

P

AR

G

DA

AS

CP

CZ

DF

H

BZ, CD

BB

U

BO

DL

BN

AX

BA

DH

BD

CO, CZ

AY

AV

BK

CE, CN

AL

BC

V

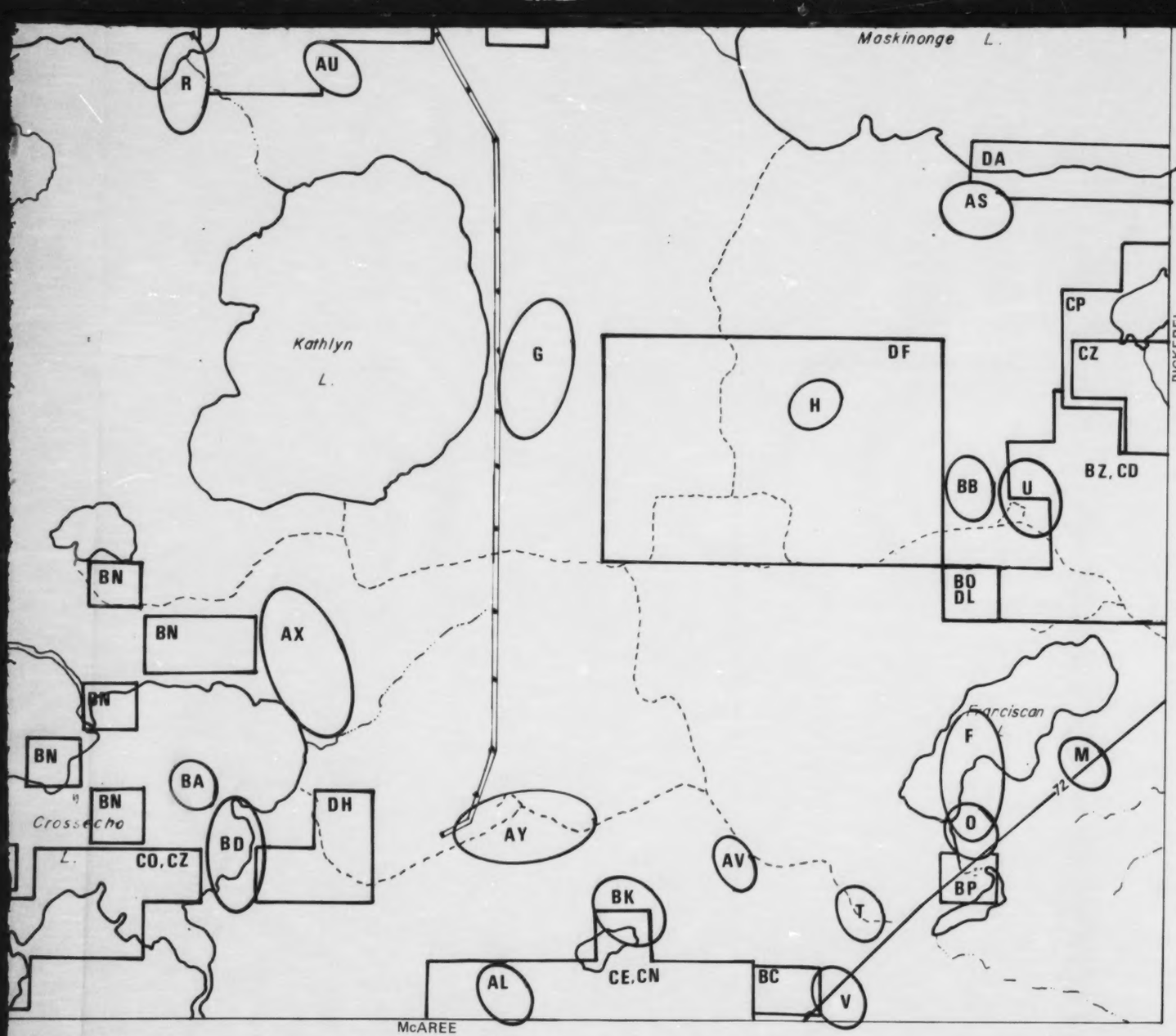
T

F

M

O

BP



EXPLORATION DATA FILE AREAS

■ Ⓐ Ⓒ Reference letters are always inside work area outlined. See listings in text pages.

□ x Ⓐ Small area exploration.

LOMOND

49°58'00"

92°17'00"

Hooch L.

Lateral L.

P

P

I,P

Maskinonge L.

WEBB

Kathlyn L.

BV

CQ

PICKEREL

CB

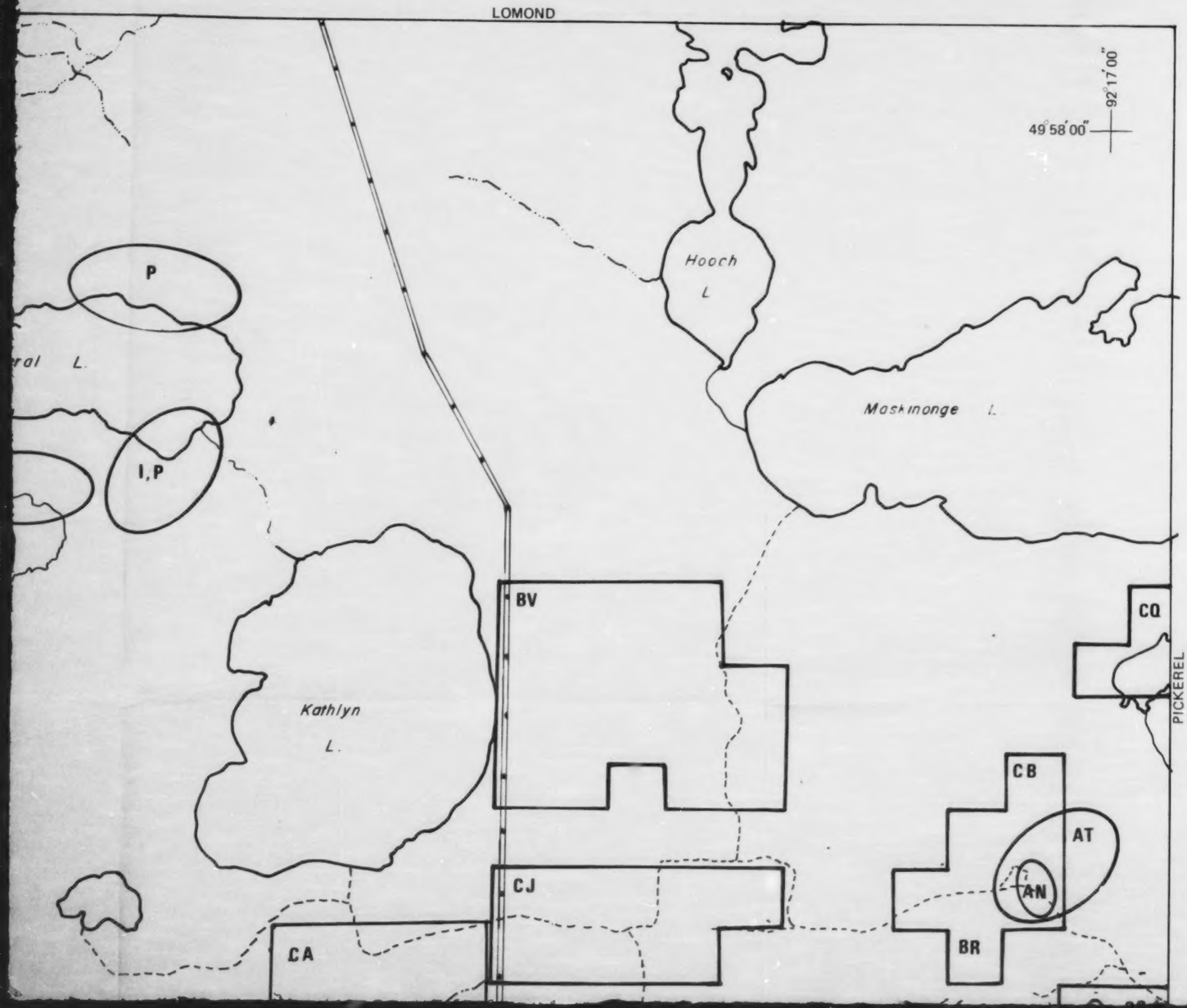
AT

AN

CJ

CA

BR



Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 318

(Map **2** of **3**)

ECHO TOWNSHIP

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Lateral L.

Maskinonge L.

P

I,P

WEBB

PICKEREL

BV

CQ

Kathlyn L.

CB

AT

AN

CJ

BR

CA

CG

Franciscan

92°24'00"

49°54'00"

Crossecho L.

AP

CS

BM

BY, CF

W

AK

CK

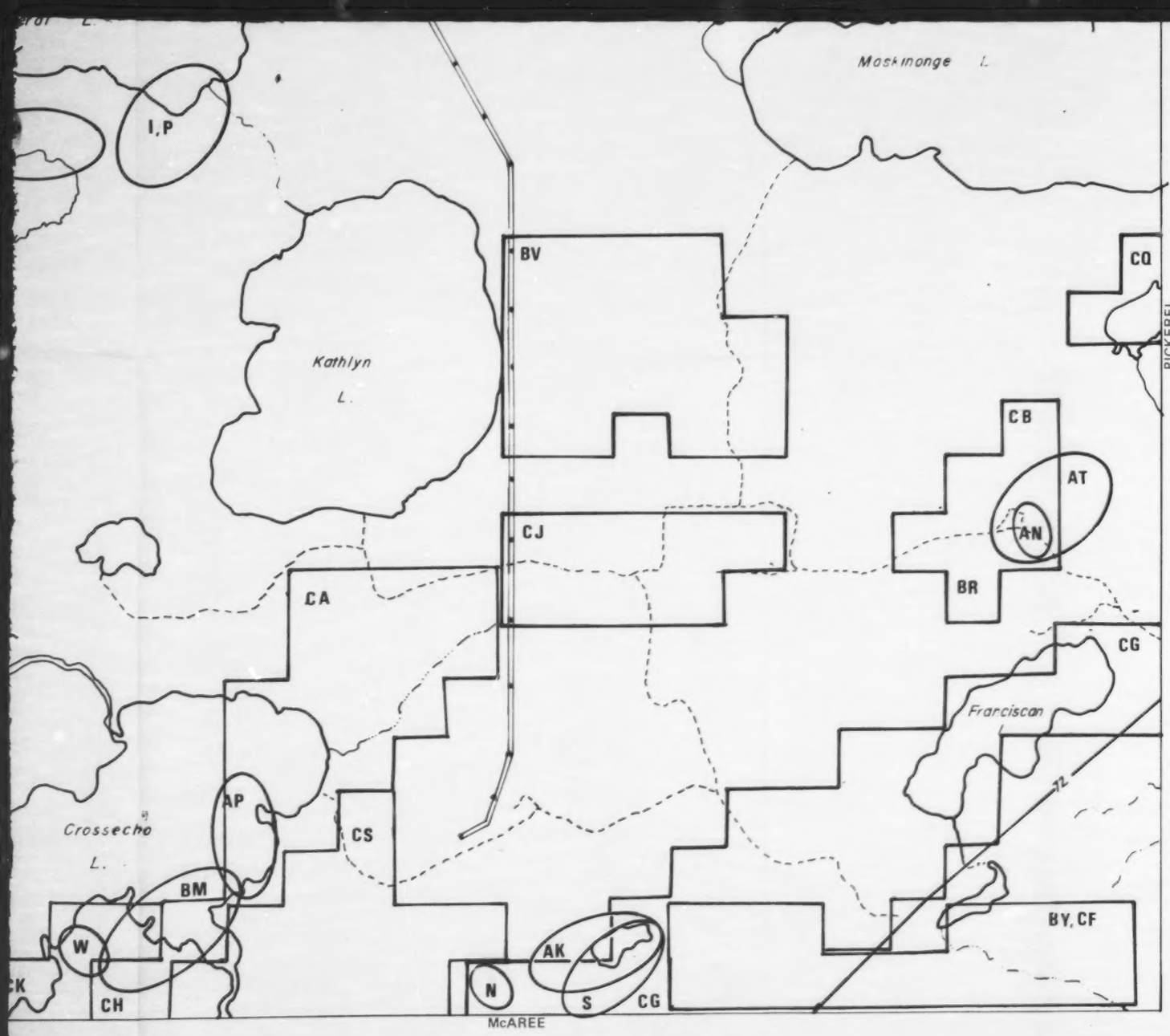
CH

N

S

CG

McAREE



EXPLORATION DATA FILE AREAS

■ Ⓔ\Ⓕ — Reference letters are always inside work area outlined. See listings in text pages.

□ x Ⓔ — Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

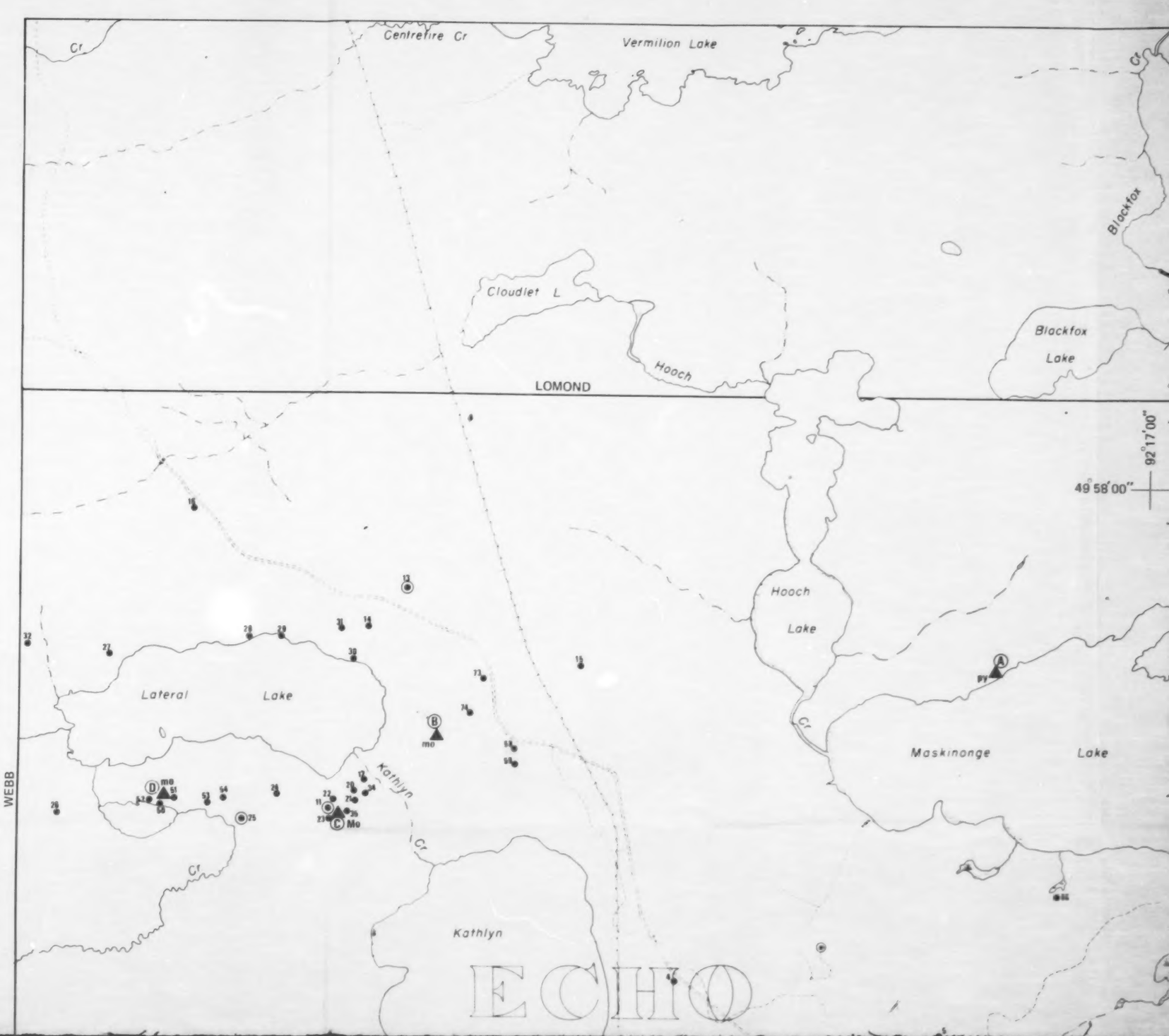
- ☐ Geochemical sample site, with reference number
- ■ Area of geochemical sampling, with reference letters
- ☐ Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ☐ Airborne electromagnetic anomaly Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ■ M — Ground magnetic anomaly
- ■ VL — Ground electromagnetic anomaly (VL - Vertical loop; HL or HEM - Horizontal loop; VLF - Very low freq; Turam; JEM - Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Rock quarry
- ■ Adit
- ■ Sand and/or gravel pit



Centrefire Cr

Vermilion Lake

Blackfox Cr

Cloudlet L

Hooch

Blackfox Lake

LOMOND

92°17'00"

49°58'00"

Hooch Lake

Hooch Cr

Maskinonge Lake

Kathlyn Cr

Kathlyn

PICKEREL

ECHO

Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 318

(Map 3 of 3)

ECHO TOWNSHIP

DISTRICT OF KENORA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

■ VL — Ground electromagnetic anomaly
(VL - Vertical loop; HL or HEM - Horizontal loop;
VLF - Very low freq; Turam; JEM -
Crone Em - 16)

☐ RA — Ground radiometric anomaly

☐ IP — Induced polarization anomaly

☐ SP — Self potential anomaly

☐ AFMAG — Audio-frequency magnetic anomaly
(total intensity)

☐ R — Resistivity anomaly

☐ GR — Gravity anomaly

MISCELLANEOUS DATA

■ Trenching, pit

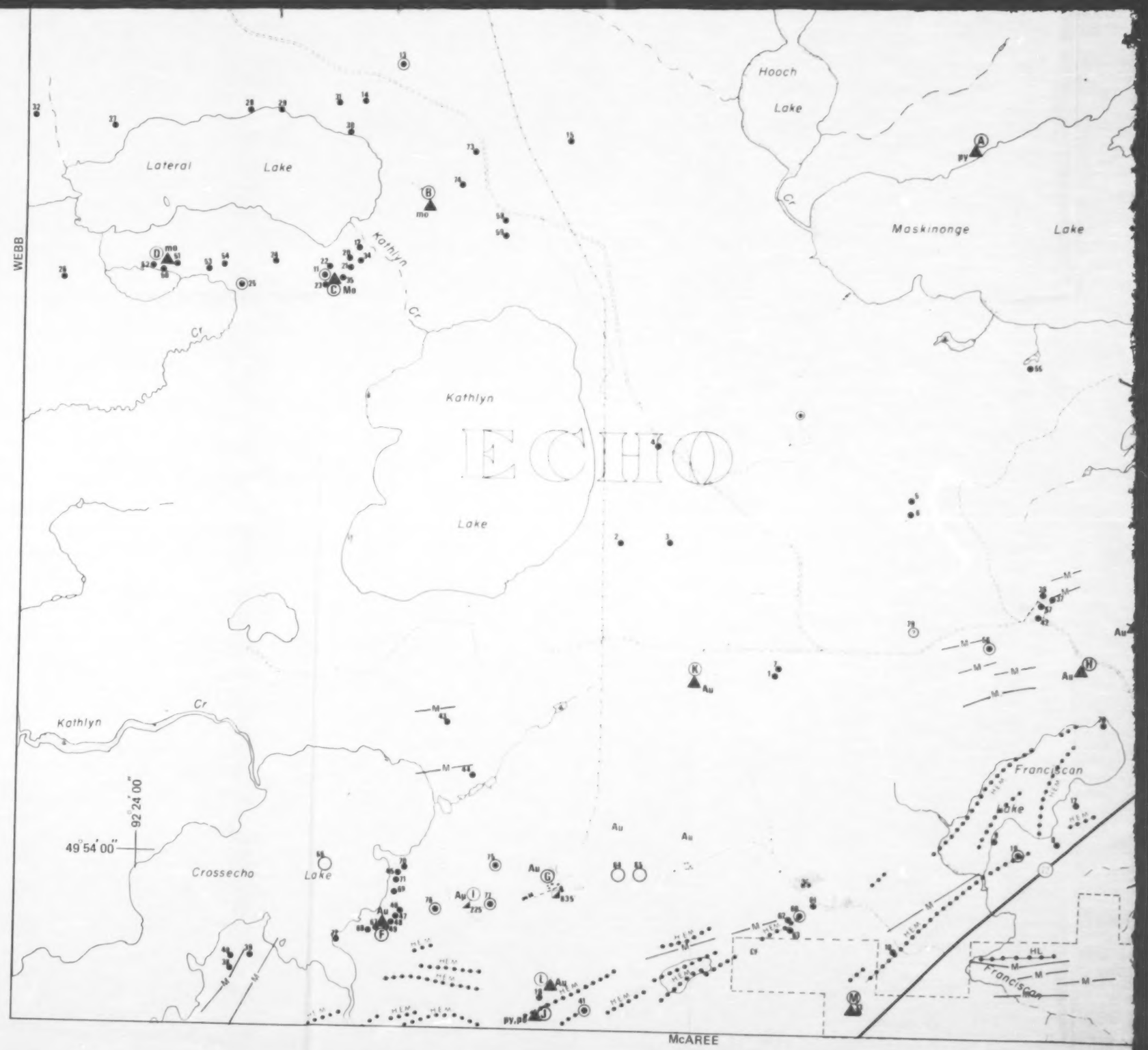
■ Adit

☐ Open pit

☐ Rock quarry

■ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



Hooch Lake

Maskinonge Lake

Kathlyn Cr

Kathlyn Lake

ECHO

PICKEREL

Francis Lake

Pickerel Arm of Minnitaki L

McAREE

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number